

*Claim 1*  
macromolecular substances do not serve as templates for subject DNA synthesis.

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*Claim 2*  
3. (Amended) The DNA synthesis reaction-enhancer according to claim 1, wherein said acidic macromolecular substance is an acidic polysaccharide.

4. (Twice Amended) The DNA synthesis reaction-enhancer according to claim 3, wherein said acidic macromolecular substance is one or more substances selected from the group consisting of sulfated-fucose-containing polysaccharides, dextran sulfate, carrageenan, heparin, rhamnam sulfate, dermatan sulfate (chondroitin sulfate B), heparan sulfate, hyaluronic acid, alginic acid, pectin, polyglutamic acids, polyacrylic acids, polyvinyl sulfates, polystyrene sulfates, carrageenan, DNA and salts thereof.

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*Claim 22*  
22. (Amended) A DNA synthesis reaction composition comprising two or more kinds of DNA polymerases each having 3'  $\rightarrow$  5' exonuclease activity which is not reduced.

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Please add new claim 35:

*CH*  
--35. The DNA synthesis reaction composition according to  
claim 22, further comprising the DNA synthesis reaction-enhancer of  
claim 1.--

Attached hereto is a marked up version showing the changes  
made to the application by this Reply.